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PATENT SPECIFICATION

336,200

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PROVISIONAL SPECIFICATION.



Drip Preventing Device for Taps and the like.

I, GEORGE ANSON SLATER, British subject, residing at 528, Coventry Road, Small Heath, Birmingham, in the County of Warwick, do hereby declare the nature of this invention to be as follows:—

This invention relates to drip preventing devices for taps and the like and has for its objects to provide such devices of novel formation and construction, which can be readily applied, preferably in a detachable manner, to taps and the like, and which will give a maximum amount of efficient working with a minimum of personal attention.

Drip preventing devices according to the invention are particularly, but it is to be understood, by no means exclusively, suitable for application to, and for use with, taps which are employed for the delivering of beer from a so-called beer-pump or beer-engine, such taps being well known.

It has been observed with regard to such taps and pumps or engines that during the interval of time between one action of the pump or engine and the next action there is a dripping from the tap, which, although not usually appearing of a sufficiently large an amount to attract any special attention from the user, has been found to actually result in a considerable waste.

In general, a drip preventing device for taps and the like according to the invention comprises a cup-like member adapted to be located at or near the orifice of the tap or the like, and preferably, actually within the bore of the said tap or the like, the said cup-like member having means associated therewith to enable it to be attached to the tap or the like, preferably, in a readily detachable manner.

The cup-like member may be formed from sheet metal, any other suitable sheet material that may, if desired, be perforated, or it can be formed from wire gauze or the like, whilst the means for attaching the cup-like member to the tap may

comprise resilient clips, clamps or the like, or in some cases may be constituted by a tubular member adapted to fit the bore of the tap or the like.

A preferred embodiment of the invention consists of a tubular wire gauze member which is at one end reinforced by means of a short tubular length formed from sheet metal. To the interior of the tubular wire gauze member a second gauze member is applied and rigidly secured in position by soldering or in any other convenient manner. This second gauze member is so formed and arranged as to constitute the cup-like member according to the principal feature of the invention, and this may be accomplished by forming the said second gauze member tubular and closing the lower end thereof by soldering or the like, the soldering preferably extending for some distance along the gauze member in order to form a relatively large and substantial cup-like portion.

The whole device is adapted to be inserted within the bore of a tap or the like, the reinforced end of the device closely fitting said bore whilst if desired a spring clip carried by the device itself can be arranged to engage with the tap and securely hold the device in position.

It has been found in practice that a device constructed as above described is exceptionally efficient when utilised for the purpose of preventing the dripping from beer-engine taps, whilst owing to the fact that the device is constructed almost entirely of gauze material it will be obvious that it also constitutes an effective strainer.

It is to be understood that the invention is not limited to the precise forms or details of construction described as these may be varied to suit particular cases.

Dated this 4th day of June. 1928.

GEORGE ANSON SLATER.

528, Coventry Road, Small Heath, Birmingham.

COMPLETE SPECIFICATION.

Drip Preventing Device for Taps and the like.

I, GEORGE ANSON SLATER, British subject, residing at 528, Coventry Road, Small Heath, Birmingham, in the County of Warwick, do hereby declare the nature

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of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 This invention relates to drip preventing devices for taps and the like and has for its objects to provide such devices of novel formation and construction, which can be readily applied, in a detachable
10 manner, to taps and the like, and which will give a maximum amount of efficient working with a minimum of personal attention.

Drip preventing devices according to 15 the invention are particularly, but it is to be understood, by no means exclusively, suitable for application to, and for use with, taps which are employed for the delivering of beer from a so-called beer-
20 pump or beer-engine, such taps being well known.

It has been observed with regard to such taps and pumps or engines that during the interval of time between one
25 action of the pump or engine and the next action there is a dripping from the tap, which, although not usually appearing of a sufficiently large amount to attract any special attention from the
30 user, has been found to actually result in a considerable waste.

In general, a drip preventing device for taps and the like according to the invention comprises a cup-like member
35 adapted to be applied within the bore of the said tap and near the orifice thereof, in a readily detachable manner.

Taps for use in connection with beer pumps or beer engines have been provided wherein the construction includes a
40 channel portion or a cup-like portion, whilst further, it has been proposed to provide in the outlet nozzle of a tap a cup or thimble member which is supported by an apertured flange formed on
45 the periphery thereof, said flange itself being held in position by being clamped between the outlet end of the tap and a part of the nozzle that is adapted to be
50 screwed thereto.

According to the present invention a drip preventing device for taps and the like comprises a tubular wire gauze member adapted to be applied within the bore
55 of the tap or the like, a second wire gauze member secured in position within the interior of the first mentioned gauze member, and a cup-like member formed with or carried by said second gauze member.

60 In preferred forms the tubular wire gauze member is at one end reinforced by means of a short tubular length formed from sheet metal, whilst further, said member is also provided with a spring
65 clip for engaging with the tap for the pur-

pose of securely holding the device in position.

In order that the invention may be fully understood it will now be more particularly described with reference to 70 the accompanying sheet of drawings which shows by way of example a preferred form of the invention.

Fig. 1 shows a longitudinal sectional view of the device and

75 Fig. 2 shows the under side plan of the device.

A is a tubular wire gauze member closed at its upper end B by soldering and reinforced at the other end by means 80 of a short tubular length C formed from sheet metal. To the interior of the tubular wire gauze member A a second gauze member D is applied and rigidly secured in position by soldering or in any other
85 convenient manner. This second gauze member D is so formed and arranged as to constitute a cup-like member and this is accomplished by forming the said second gauze member tubular and closing
90 the lower end thereof by soldering or the like, as shown at E, the soldering extending for some distance along the gauze member as at E1 in order to form a relatively large and substantial cup-like portion.
95

The whole device is adapted to be inserted within the bore of a tap or the like, F, shown in dotted lines, the end of the device closely fitting said bore, whilst
100 if desired a spring clip G, (also shown in dotted lines), carried by the device itself can be arranged to engage with the tap and securely hold the device in position.

It has been found in practice that a device constructed as above described is 105 exceptionally efficient when utilised for the purpose of preventing the dripping from beer-engine taps, whilst owing to the fact that the device is constructed almost entirely of gauze material it will
110 be obvious that it also constitutes an effective strainer.

It is to be understood that the invention is not limited to the precise forms or
115 details of construction described as these may be varied to suit particular cases.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is
120 to be performed, I declare that what I claim is:—

1. A drip preventing device for taps and the like comprising a tubular wire
125 gauze member adapted to be applied within the bore of the tap and the like, a second wire gauze member secured in position within the interior of the first mentioned gauze member and a cup-like member formed with or carried by said 130

second gauze member substantially as and for the purposes specified.

2. A drip preventing device according to claim 1 wherein the tubular wire gauze member is at one end reinforced by means of a short tubular length formed from sheet metal.

3. A drip preventing device according to claim 1 or 2, wherein a spring clip is

provided and carried by the tubular wire gauze member for engaging with the tap for the purpose of securely holding the device in position. 10

4. Drip preventing devices for taps and the like substantially as and for the purposes herein specified. 15

Dated this 5th day of March, 1930.

G. A. SLATER.

Redhill: Printed for His Majesty's Stationery Office, by Love & Malcomson, Ltd.—1930.

[This Drawing is a reproduction of the Original on a reduced scale.]

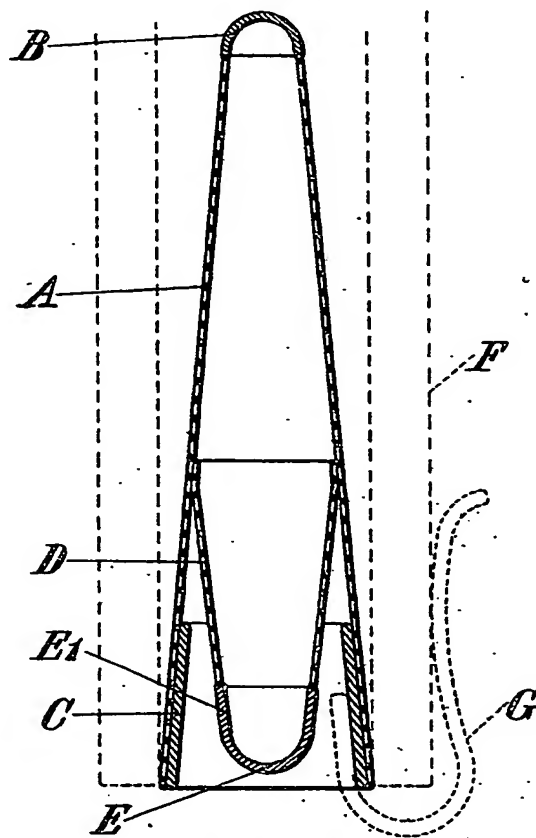


Fig. 1.

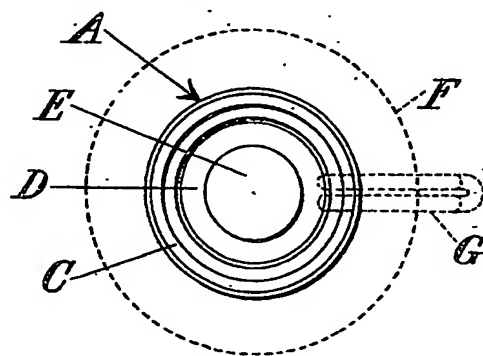


Fig. 2.

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